

**SECRET**

REPORT  
CD NO.

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**SUPPLEMENT TO  
REPORT NO.**

**THIS IS UNEVALUATED INFORMATION**

NEW CRANES AID CONSTRUCTION, RAILROAD WORK

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INTRODUCE EXPERIMENTAL MODEL OF HEAVY RAIL CRANE -- Moscow, Mekhanizatsiya Stroitel'stva, Nov 50

An experimental model of the new K-251 railroad crane has been built by the Odessa Yanvarskoye Vosstaniye Crane Plant. Diesel electric-powered, it runs on four axles, and has reached a speed of 48 kilometers per hour, although normal top speed is 25. The crane can be rigged with either a 15- or a 25-meter boom, and can lift 5-25 tons. When doing heavy work at a wide lifting arc, two heavy jacks are lowered to the ground on each side of the body for additional support. Rigged with the 15-meter boom, the crane weighs 71.82 tons. It is 23.65 meters long, 3.15 meters wide, and 4.65 meters high.

BIG CRANE GOES INTO PRODUCTION -- Moscow, Mekhanizatsiya Stroitel'stva, Oct 50

The Crane Plant imeni Yanvarskoye Vosstaniye has begun production of the new K-103 two-axle railroad crane. It is designed for loading and for construction work, and can be rigged with either a 10- or an 18- meter boom, equipped with hook or grab bucket. The crane may be towed, or, running under its own power it has a KDM-46 diesel motor, developing 80 horsepower at 835 revolutions per minute. It is equipped with chain transmission to both axles. The chains are produced at the Krasnaya Zvezda Plant.

Other specifications are as follows:

Weight, with 10-meter boom (tons)	34.5
Length (meters)	15.0
Maximum width (meters)	3.0
Railroad clearance number	0.
Speed (km/hr)	
First	5.0
Second	12.4

Lifting capacity, with 10-meter boom (tons):

Lifting radius 3.5 meters from vertical axis of boom	10
" " 4.5 " " " " " "	7
" " 6.0 " " " " " "	5
" " 10.0 " " " " " "	2.5

Lifting capacity, with 18-meter boom (tons):

Lifting radius 4 meters from vertical axis of boom	7.5
" " 8 " " " " " "	3.0
" " 11 " " " " " "	2.0

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